

Who Runs Faster? Short People or Tall People?

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Problem

Who runs faster short people or tall people?

Introduction

I chose this experiment because I have seen many fast short people and many fast tall people. I've always wondered if tall people are faster because they gain more ground faster with their long legs, or if short people are faster because its easier for them to get there legs moving faster.

Hypothesis

I think that tall people will run faster.

Materials

1. Pencil
2. Paper
3. An area to test
4. Volunteers
5. Stopwatch

Procedure

1. Gather all materials
2. Take all volunteers to testing area
3. Have all volunteers but one leave so no one sees each others score
4. Time volunteer and see how long it takes them to run the court.
5. Repeat with other volunteers
6. Record data
7. Finish project

Major Observations

Some people took there shoes off. Some people had good gripping on there shoes and some people had bad gripping. They didn't have time to warm up or stretch so they didn't run as fast as they could have.

RESULTS

My results are that tall people do run faster. I averaged the times of all short people. Then all the tall people and the tall people run .25 seconds faster than the short people I tested. the average of the tall people is 5.54 seconds. The average of the short people is 5.79 seconds.

Conclusion

My hypothesis was correct. According to the people I tested and the times they got. Tall people do run faster. It's not by much but its enough to say that tall people always win. :)

Possible Cause Of Error

Some people took their shoes off. Some were wearing clothes that could have possibly slowed them down. Some people slowed down at the end which affected the time they got. I might not have always hit the stop button on the stop watch right as they got past the finish line.

Time Spent

22 hours

Acknowledgements

THANK YOU VOLUNTEERS!!!!!!

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